

REMARKS

Applicant respectfully requests that the foregoing amendments be made prior to examination of the present application.

Claims 1-7 and 9-10 are currently being amended.

This amendment adds, changes and/or deletes claims in this application. A detailed listing of all claims that are, or were, in the application, irrespective of whether the claim(s) remain under examination in the application, is presented, with an appropriate defined status identifier.

Respectfully submitted,

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Abstract: 1020 Rec'd PCT/PTO 19 SEP 2005

A method of operating a superconducting cable using a conductor cooled by a refrigerant to transmit electric power causes a change in the refrigerant temperature to change the transmission capacity of a superconducting cable (~~110, 120, 130~~). Since superconducting materials are capable of increasing the value of their critical current as the temperature decreases, the refrigerant temperature may be changed to change the transmission capacity of the superconducting cable (~~110, 120, 130~~) without overdesigning of cabling or an additional cable.